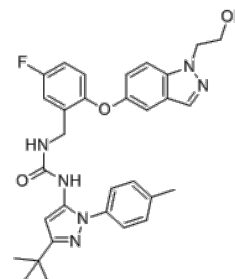


Product Name : Pexmetinib
Cat. No. : PC-35149
CAS No. : 945614-12-0
Molecular Formula : C₃₁H₃₃FN₆O₃
Molecular Weight : 556.63
Target : Angiotensin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Pexmetinib (ARRY-614) is a potent, orally active, dual **Tie-2/p38 MAPK** inhibitor with IC₅₀ of 1, 26 and 35 nM for Tie-2, p38 α and p38 β , respectively.

Pexmetinib (ARRY-614) demonstrates in vitro mechanistic models (Angpt-1 or anisomycin-stimulated HUVEC) as well as functional readouts (LPS-induced TNF-alpha release from human PBMCs) with IC₅₀ of 2282 nM and 172 nM for Tie2 and p38, respectively.

Pexmetinib (ARRY-614) abrogates cytokine mediated myelosuppressive effects in hematopoietic cells.

Pexmetinib (ARRY-614) inhibits leukemic cell proliferation and stimulates hematopoietic activity in MDS.

Pexmetinib (ARRY-614) inhibits LPS-induced TNF-alpha release) murine models .

References

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Garcia-Manero G, et al. *Clin Cancer Res.* 2015 Mar 1;21(5):985-94.

Wollenberg LA, et al. *Clin Pharmacol.* 2015 Sep 30;7:87-95.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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